

Air pollution, reducing, Jul-22 Animal behavior studies, Jan-23, Jun-2, 4 Animal stress, managing, Jan-23, Jun-4 Aquaculture research, Dec-2 Areawide pest management, Nov-10 Aromatic plant oils, odor control with, Jan-23 ARS Culture Collection, Jul-20 Asian lady beetles, repellents, Aug-23 Autumn olive berry high in lycopene, Sep-22 B vitamins, Mar-16 Bacillus thuringiensis (Bt), monitoring resistance to in cotton pests, Feb-20 Baculovirus, as biocontrol for mosquitoes, Apr 29, May-2 Barley, new varieties of, Aug-18
Beans, breeding for day length sensitivity and
disease resistance, Apr-22 Bees
mite and winter resistance of, Oct-8 pollen transport from transgenic crops by, Oct-7
Russian honey, Mar-22 Beltsville Agricultural Research Center,
research milestones, Oct-12 Berea College students in Australia, Apr-28
Berries, resveratrol content of, Sep-23 Berry extracts, anticancer activity found in,
May-22 Betsy Ross lilac, Sep-4
Biocontrol
of Cape ivy, Jun-17 of green peach aphid, May-10
of melaleuca, <i>Fergusonina</i> fly as, Apr-26 of subtropical fruit flies, Nov-10
of water weeds, Nov-4 of weeds, Apr-10
of weeds with fungi, Nov-18
with insects, Feb-16 work in overseas laboratories, Apr-4
Biodegradable plates and bowls, Jan-23 Biodiesel jet fuels with soybean oil, Jul-22
Biofuel crops, ethanol production from, Feb-4 Blackeye pea with green color, Feb-23
Blacklegged tick, May-4
Blueberries, Triblue and Premier, May-22 Bone density in Navajos, Jun-16
Bone gain, loss in new mothers, Jul-13 Bovine viral diarrhea virus, new, Oct-22
Brazil-ARS partnership, Dec-8
glucoraphanin, Sep-23
Cacao, adding disease resistance to, Aug-10 Calcium and bone density, Sep-23
Calcium crystals in plants, Jul-23 Calving difficulty (dystocia), Jul-2, 4
Campylobacter, identifying and controlling, Apr-4, Jul-8
Campylobacter, study of in Icelandic poultry, Jun-8
Cape ivy, biocontrol for, Jun-17 Carbon storage in soil Feb-2, 4 Carotenes, conversion to vitamin A, Mar-12 Carotenoids, autumn olive a source of, Sep-2 Castor beans, genetic engineering of, Jan-12
Catfish new line of, Jan-16, Dec-2 protecting eggs of, Feb-23
Cattle calming of with sunset feeding, Jan-23
immune response of, Jun-18 production and birthing, Jul-2, Jul-4
Caulerpa taxifolia, chlorine controls, Nov-7

Chicken, statistical method for packaging by

Choline deficiency and RDA, Mar-16

detection (GC-EAD), Jul-10

Chromatographic-electroantennographic

Clover, red, as silage, Jul-7 Clover, subterranean, as cover crop, Feb-14 Codling moth lure for, Jun-10 suppression of in orchards, Nov-10 Collaborative research of ARS, Apr-4 Composting, Jan-23 Computer model estimates soil carbon gains, losses, Feb-4, for copper use and metabolism, Mar-8, for population dynamics, Apr-18 for when to fumigate grains, Nov-10 for whitefly biocontrol, Dec-6 MODSS and SWAPA+H, Apr-25 Computer tool (TOPAZ) for topography, Aug-2 Copper, determining recommended daily intakes for, Mar-8 Corn cooking process and fumonisins in, Aug-14 extract for waxing paper, Mar-23 genome of, Feb-8 zein protein and grease resistance, Mar-23 Corn rootworm, aerial sprays of cucurbitacin baits for, Nov-10 Cotton genebank, Jul-23 gin trash pellets as fuel and feed, Aug-23 irrigation methods preserve pollen, Nov-23 lowering bale-packaging force for, Jan-22 variety with two Bt genes, Feb-20 Cow, transgenic, to resist mastitis, Aug-23 Coxsackievirus, selenium deficiency and virulence of, Sep-20 Cucumber-melon cross may be useful for gene transfer, Jun-23 Cytokines, response to infection, Jun-18 Dairy cow diets, Jul-14 Deep-tank fermentation, Jul-20 Dextran blood extender, Jul-20 Dioxins, monitoring of in meat, Jan-14 Don Egolf Chinese redbud, Sep-4 Dystocia (calving difficulty), Jul-2, 4 EMBRAPA's research with ARS, Dec-8 Energy expenditure in humans, Mar-11 Escherichia coli O157:H7, sodium chlorate reduces in pig, cow intestine, Mar-19 Fantesk, new products from, Feb-10, Jul-20 Fat analysis in foods, faster, Mar-23 Fat substitute for shortenings, May-23 Fergusobia nematode as melaleuca biocontrol Apr-26 Fertilizer, safer, May-23 Fire ant, red imported, biocontrol of, Nov-10 Fish farming. threats and vaccines, Dec-2 trout that can eat grain, Dec-4 Floral and nursery crops research, Sep-2, 4 Fluorescence and multiangle remote sensing to map vegetation, Aug-4 Fluorescence gene aids Campylobacter detection, Jul-8 Food and nutrient intakes, determining portion size, Mar-4 Food processing and storage, triglycerides in, Mar-23 Food safety cooking temperature and, Jul-23 detecting bacteria on meat, Mar-23 dioxins and, Jan-14 pathogen control for farm animals, Mar-19 pathogens on cut fruit, Jul-12 sources of Campylobacter, Jun-8 Food surveys, merger of, Mar-4 Foods, developing more nutritious, Oct-2 digestibility and nutrition in, Jul-7, Jul-14

Citrus, kaolin stops weevil infestation, Mar-18 growth reduces water pollution, May-11 Fort Keogh Livestock and Range Research Lab, Jul-2 Forum: A Global Harvest of Knowledge, Apr-2 Forum: Aquaculture Research Is Key to the Future of U.S. Fish Farming, Dec-2 Forum: Carbon Credits on the Chicago Board of Trade? Feb-2 Forum: Finding Foods That Agree With Our Genes, Mar-2 Forum: From Awareness to Knowledge to Solutions, May-2 Forum: Getting the Lowdown From High Up, Aug-2 Forum: Invasive Species and Areawide Pest Management: What We Have Learned, Nov-2 Forum: New Floral and Nursery Crop Studies Come Into Bloom, Sep-2 Forum: Not Just More, But More Nutritious Food, Oct-2 Forum: Observing Swine Behavior To Lower Piglet Mortality, Jun-2 Forum: Quest for Methyl Bromide Alternatives Continues, Jan-2 Forum: Research Supports Sustainable Cattle Production, Jul-2 Four-poster device for tick control on deer, May-2 Free-form fabrication with soybean oil, Aug-9 Fruit flies, control methods for, Nov-10 Fruits, research on tropical and exotic, Apr-22 Fungal inoculation of soil helps roots, May-20 Fungal resistance in cacao, Aug-10 Fungi as biocontrols for four weeds, Nov-18 Gene mapping in wheat, Jan-20 markers for worm resistance in cattle, Dec-8 Gene sequencing of Arabidopsis thaliana, May-23 of chicken viruses, Jul-16 Genetic engineering of castor beans, Jan-12 Genetic fingerprinting of cacao germplasm collections, Aug-10 Genetic markers for white mold resistance in snap beans, Mar-21 Genetic response to diet, Mar-2 Genetics, using statistics to determine effect of mutations, Feb-8 Genome of Xylella fastidiosa, Apr-4 Genotyping (DNA sequencing) to study transmission of Campylobacter, Jun-8 Giant reed, biocontrol of, Apr-14, Nov-7 Giant salvinia, biocontrol of, Nov-4 Glassy-winged sharpshooter, control of with wasp and kaolin film, Nov-20 Grapes, resveratrol content of, Sep-23 Grass new resilient varieties of, Oct-10 stiff-grass hedges halt erosion, Oct-21 Gray mold, Botrytis, biocontrol of, Sep-18 Green fluorescent protein (GFP) to study spread of gray mold, Sep-18 GRIN taxonomy web site updated, Mar-20 Hairy vetch, as cover crop, Feb-14 Horses, nocardioform placentitis in, Dec-15 Human nutrition calcium and vitamin D, Jan-22, Sep-23 carotenoids, flavonoids, Feb-18, Mar-12 conjugated linoleic acid (CLA), Aug-22 dietary habits and exercise levels of children nationwide, Jun-23 enteral feeding of infants, Jun-22 estimating portion size, Mar-4 folate levels affect choline needs, Mar-16 invisible fiber in foods, Mar-14

weight, Jul-22

leptin's role in hunger, Aug-20 **Phosphorus** moisture variations in and storms, Aug-4 mineral requirements, Mar-8 alum and iron binders, May-23 water-retention software, Dec-8 minerals and brain function, Oct-4 growing hay to remove excess, May-11 Sorghum, transferring genes in, Apr-22 nutrient absorption, Mar-2, losses in runoff, Oct-18 Soybean oil phytonutrients, Feb-18 Physical activity levels, studies of, Mar-11 phytosterols in, Aug-16 phytosterols lower cholesterol in, Aug-16 Phytochemicals in berries, May-22 replaces petroleum in making parts, Aug-9 selenium and disease resistance, Sep-20 use in jet fuel, Jul-22 Phytophthora fungus causes root rot and tailoring the diet to genes, Mar-2 crown rot, Jan-4 Soybeans, vitamin B₁₂ deficiency, Jan-23 **Piglets** hulls of filter metals in wastewater, Oct-23 maximum yields with HYSIP, Jun-13 Industrial wastes, use in fertilizer, May-23 crushing deaths of, Jun-2 dexamethasone boosts weight of, Nov-23 Insects new foamed glue from. Jan-9 Spider mites, control of on roses, Sep-14 artificial diets for rearing, Feb-16 feeding studies of, Jun-22 sound-based tool to detect and identify, measuring stress in, Jun-4 Statistical model reduces chicken giveaway, Pigs, immune response of, Jun-18 Jul-22 Mar-21 Plant collection at TARS, Apr-22 Sterile insect technique, use to eradicate Integrated pest management, May-10, Nov-2, Plant names, database of, Mar-20 screwworms from Central America, Apr-18 Plum curculio weevil pheromone bait, Nov-23 International research of ARS, Apr-2 Stone fruit trees, plum pox virus in, Sep-9 IR-4 minor-use pesticide program, Sep-4 Plum pox virus, Sep-4, 9 Strawberries, fighting pathogens and disease Plum, transgenic resists plum pox, Sep-11 in, Jan-2, 4 Irrigation BIOTECH monitoring system, Sep-23 Plum-apricot cross, Mar-23 Sunflower hybrids resistant to broomrape, method lessens cotton yield loss, Nov-23 Poinsettia, wasp controls pest of, Dec-6 Feb-23 Pomegranate, ARS collection of, Sep-17 subirrigation/drainage system, Jun-13 Supercritical fluid extraction and fractionation, Jornada Experimental Range, Aug-4 Potatoes, antioxidants in colored, May-9, Oct-Aug-16 Kaolin particle film, Mar-18, Nov-20 Sustainable agriculture, Feb-14 6 Kudzu, biocontrol of with fungi, Nov-18 Poultry Sweetpotato, nutritious chips and fries from, LABEX, ARS-Brazil partnership, Dec-8 how Campylobacter sticks to skin of, Jul-8 May-8 Land management computer model, Apr-25 technique reduces crop breaks in, May-19 Swine manure, removing nitrogen from Powdery mildew, predicting outbreaks of, Leafy spurge, control of, Nov-10 wastewater of, Jul-18 Lichens, potential herbicides from, Jan-10 Switchgrass Sep-14 Lilac, mildew-resistant for warm areas, Jun-23 Prairie revegetation, Oct-10 as a biofuel crop, Feb-4 Livestock transportation practices, Jun-4 Produce pathogens, phages to kill, Jul-12 preventing runoff with, Oct-21 Lycopene, autumn olive high in, Sep-22 Production agriculture, Apr-2 Tapeworms, evolution of, May-16 Lyme disease, May-2, 4 Propargyl bromide, promising methyl bromide Test alternative, Sep-12 Manure adrenomedullin hormone in animals to nitrogen in, Jul-7 Protein and bone density in elderly, Sep-23 detect diseases and parasites, Jul-23 odor abatement of, Jan-23 Rainfall simulator targets runoff, Oct-18 for anaplasmosis, babesiosis, Apr-9 removing nitrogen in wastewater, Jul-18 Rangeland conservation and health, Apr-25 for atrazine in meat samples, Oct-22 Tick control with four-poster device, May-4 Marek's disease Raspberry, longer-growing, Oct-23 Tickborne diseases, tracing, Apr-9 Red clover silage lowers nitrogen in cow vaccine for, Jul-16 virus sequenced, Jul-16 manure, Jul-7 Tracheal mites in bees, Mar-22 Margarines low in trans fatty acids, Aug-16 Remote sensing Trout that thrive on grain, Dec-4 Meat color and doneness, Jul-23 of crop nutrient deficiencies, Dec-8 Turfgrass disease, organic control of, Aug-12 of Earth, Aug-2, 4 Medfly, new trap for, May-14 Medical discoveries at NCAUR, Jul-20 Ultrasound, analyzing catfish fat with, Jan-16 of salvinia, Nov-4 U.S. Dairy Forage Research Center, Jul-2, 14 Melaleuca, biocontrol of, Apr-26, 28 to track screwworm, Apr-18 U.S. National Arboretum, Sep-4 Melon-cucumber cross, Jun-23 to track ticks and disease spread, Apr-9 Vegetable oils as lubricants, Oct-23 Melons, using calcium for preserving, Jun-23 Resveratrol in berries and grapes, Sep-23 Viral virulence, Sep-20 Virtually impermeable films, Jan-2 Methyl bromide alternatives, Jan-2, 4, Sep-12 Rhizobacteria, beneficial, added to soil, Jan-4 Minerals, role of in brain function, Oct-4 Rice bran oil, phytosterols in, Aug-16 Wastewater, polymer gel pellets remove Monilia pod rot of cacao, Aug-10 Rice breeding, using heterozygosity to speed, nitrogen from, Jul-18 Morningglory, biocontrol of with fungi, Nov-18 Jan-19 Water quality protection, Aug-2 Mosquito Rice-wheat mix for low-fat doughnut, Feb-23 Water weeds, ways to control, Nov-4 biocontrol of with baculoviruses, Apr-29 Riparian ecosystems, Nov-9 Weather maps from satellite data, Aug-4 diseases transmitted by, Apr-29 Roses, greenhouse pests of, Sep-14 Weeds Moth, as Cape ivv biocontrol, Jun-17 Salmonella biocontrol of with fungi, Nov-18 National Cotton Germplasm Genebank, Jul-23 Enteritidis, Jul-12 Nixtamalization cooking process for corn, Augsodium chlorate reduces in pig, cow intestine, Mar-19 Nutraceuticals, alternative sources of, Aug-16 technique reduces crop rupture and against salvinia, Nov-4 Oat oil for healthier bread, May-23 spread of, May-19 Wheat Oats, new varieties of, Aug-18 Saltcedar, biocontrol of, Sep-23, Nov-9 Office of International Research Programs, Sawfly attractants, Jul-10 Apr-2, 4 Screwworm Old World climbing fern, biocontrol of, Apr-28 eradication in Central America, Apr-18 color, test kits for, May-23 Ornamentals and floriculture, Sep-4 rapid detection kit for, Aug-23 DNA markers, May-19 Peach, high-yielding columnar tree, Dec-16 Selenium and viral virulence, Sep-20 Peanut butter, trans fatty acids and, Nov-23 gene mapping in, Jan-20 Pectin, using microwaves to extract, Jun-23 bacterial inoculants in, Jul-14 Pepper plants, new ornamental and culinary, red clover vs. alfalfa as, Jul-7 Snap beans, genes for white mold resistance May-12

in, Mar-21

carbon in, Feb-2, 4

compaction probes, Dec-8

managing nutrients in, May-11

fumigants, Jan-4, Sep-12

applying beneficial fungi to, May-20

Soil

online data about, Jan-23, Mar-20 suppression of with microbes, Aug-12 Weevil, Cyrtogabous salviniae, as biocontrol abscisic acid's role in stress response of, breeding aluminum tolerance into, Dec-14 drought- and cold-hardiness genes, Jan-20 new leaf rust resistance genes in, May-19 scab, yeast to control, Jun-20 Wheat-rice mix makes lower fat doughnut, Feb-23 Wheat stem sawfly, attractants for, Jul-10 Whiteflies, wasp as biocontrol of, Dec-6 Yeast, 7 strains of Cryptococcus nodaensis reduce severity of wheat scab, Jun-20 Yellowfever mosquito, protozoan parasite for biocontrol of, Apr-29 19

Permethrin for tick control, May-4

Pheromone lures, Jul-10, Dec-8

Pest control in grain elevators, Nov-10

Pestivirus, new type in wildlife, Oct-22

Pfiesteria in Chesapeake Bay, May-23

Pest prevention and management, Nov-2

Phages to reduce produce pathogens, Jul-12